

WRAIR PUBLICATIONS SEPTEMBER 2015

1. Achieng, A.O., Muiruri, P., Ingasia, L.A., Opot, B.H., Juma, D.W., Yeda, R., Ngalah, B.S., Ogutu, B.R., Andagalu, B., Akala, H.M., Kamau, E. Temporal trends in prevalence of Plasmodium falciparum molecular markers selected for by artemether-lumefantrine treatment in pre-ACT and post-ACT parasites in western Kenya. *Int J Parasitol Drugs Drug Resist.* 2015; 5(3):92-9.
<http://www.sciencedirect.com/science/article/pii/S2211320715300014>
2. Bauer, K., Esquelin, I.O., Cornier, A.S., Thomas, S.J., Quintero Del Rio, A.I., Bertran-Pasarell, J., Morales Ramirez, J.O., Diaz, C., Carlo, S., Eckels, K.H., Tournay, E., Toussaint, J.F., De La Barrera, R., Fernandez, S., Lyons, A., Sun, W., Innis, B.L. A Phase II, randomized, safety and immunogenicity trial of a re-derived, live-attenuated dengue virus vaccine in healthy children and adults living in Puerto Rico. *Am J Trop Med Hyg.* 2015; 93(3):441-53.
<http://www.ajtmh.org/content/93/3/441.long>
3. Bodo, M., Simovic, M., Pearce, F., Ahmed, A., Armonda, R. Correlation of rheoencephalogram and intracranial pressure: results of a rat study. *Physiol Meas.* 2015; 36(10):N115-26.
<http://www.ncbi.nlm.nih.gov/pubmed/26334594>
4. Capaldi, V.F., 2nd, Kim, J.R., Grillakis, A.A., Taylor, M.R., York, C.M. Insomnia in the military: application and effectiveness of cognitive and pharmacologic therapies. *Curr Psychiatry Rep.* 2015; 17(10):85.
<http://link.springer.com/article/10.1007/s11920-015-0622-9/fulltext.html>
5. Costanzo, M.C., Creegan, M., Lal, K.G., Eller, M.A. OMIP-027: Functional analysis of human natural killer cells. *Cytometry A.* 2015; 87(9):803-5.
<http://www.ncbi.nlm.nih.gov/pubmed/26189970>
6. Doll, T.A., Neef, T., Duong, N., Lanar, D.E., Ringler, P., Muller, S.A., Burkhard, P. Optimizing the design of protein nanoparticles as carriers for vaccine applications. *Nanomedicine.* 2015; 11(7):1705-13.
<http://www.sciencedirect.com/science/article/pii/S1549963415001185>
7. Dominique, J.K., Ortiz-Osorno, A.A., Fitzgibbon, J., Gnanashanmugam, D., Gilpin, C., Tucker, T., Peel, S., Peter, T., Kim, P., Smith, S. Implementation of HIV and Tuberculosis Diagnostics: The Importance of Context. *Clin Infect Dis.* 2015; 61Suppl 3:S119-25.
http://cid.oxfordjournals.org/content/61/suppl_3/S119.long
8. Hoge, C.W. Measuring the long-term impact of war-zone military service across generations and changing posttraumatic stress disorder definitions. *JAMA Psychiatry.* 2015; 72(9):861-2.
<http://www.ncbi.nlm.nih.gov/pubmed/26200673>
9. Hunsawong, T., Sunintaboon, P., Warit, S., Thaisomboonsuk, B., Jarman, R.G., Yoon, I.K., Ubol, S., Fernandez, S. Immunogenic properties of a BCG adjuvanted chitosan nanoparticle-based dengue vaccine in human dendritic cells. *PLoS Negl Trop Dis.* 2015; 9(9):e0003958.
<http://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0003958>

10. Jahanshad, N., Couture, M.C., Prasitsuebsai, W., Nir, T.M., Aurpibul, L., Thompson, P.M., Pruksakaew, K., Lerdlum, S., Visrutaratna, P., Catella, S., Desai, A., Kerr, S.J., Puthanakit, T., Paul, R., Ananworanich, J., Valcour, V.G. Brain imaging and neurodevelopment in HIV-uninfected Thai children born to HIV-infected mothers. *Pediatr Infect Dis J.* 2015; 34(9):e211-6.
<http://www.ncbi.nlm.nih.gov/pubmed/26090574>
11. Kajon, A.E., Hang, J., Hawksworth, A., Metzgar, D., Hage, E., Hansen, C.J., Kuschner, R.A., Blair, P., Russell, K.L., Jarman, R.G. Molecular epidemiology of adenovirus type 21 respiratory strains isolated from US military trainees (1996-2014). *J Infect Dis.* 2015; 212(6):871-80.
<http://jid.oxfordjournals.org/content/212/6/871.long>
12. Katzelnick, L.C., Fonville, J.M., Gromowski, G.D., Arriaga, J.B., Green, A., James, S.L., Lau, L., Montoya, M., Wang, C., VanBlargan, L.A., Russell, C.A., Thu, H.M., Pierson, T.C., Buchy, P., Aaskov, J.G., Munoz-Jordan, J.L., Vasilakis, N., Gibbons, R.V., Tesh, R.B., Osterhaus, A.D., Fouchier, R.A., Durbin, A., Simmons, C.P., Holmes, E.C., Harris, E., Whitehead, S.S., Smith, D.J. Dengue viruses cluster antigenically but not as discrete serotypes. *Science.* 2015; 349(6254):1338-43.
<http://www.sciencemag.org/content/349/6254/1338.long>
13. Klein, N., Palma, P., Luzuriaga, K., Pahwa, S., Nastouli, E., Gibb, D.M., Rojo, P., Borkowsky, W., Bernardi, S., Zangari, P., Calvez, V., Compagnucci, A., Wahren, B., Foster, C., Munoz-Fernandez, M.A., De Rossi, A., Ananworanich, J., Pillay, D., Giaquinto, C., Rossi, P. Early antiretroviral therapy in children perinatally infected with HIV: a unique opportunity to implement immunotherapeutic approaches to prolong viral remission. *Lancet Infect Dis.* 2015; 15(9):1108-14.
<http://www.sciencedirect.com/science/article/pii/S1473309915000523>
14. Kumar, R., Ray, P.C., Datta, D., Bansal, G.P., Angov, E., Kumar, N. Nanovaccines for malaria using Plasmodium falciparum antigen Pfs25 attached gold nanoparticles. *Vaccine.* 2015; 33(39):5064-71.
<http://www.ncbi.nlm.nih.gov/pubmed/26299750>
15. Legler, P.M., Soojhawon, I., Millard, C.B. A conformational change in the peripheral anionic site of *Torpedo californica* acetylcholinesterase induced by a bis-imidazolium oxime. *Acta Crystallogr D Biol Crystallogr.* 2015; 71(Pt 9):1788-98.
<http://www.ncbi.nlm.nih.gov/pubmed/26327369>
16. Lesho, E., Carling, P., Hosford, E., Ong, A., Snesrud, E., Sparks, M., Onmus-Leone, F., Dzialowy, N., Fraser, S., Kwak, Y., Miller, S., Chukwuma, U., Julius, M., McGann, P., Clifford, R. Relationships among cleaning, environmental DNA, and healthcare-associated infections in a new evidence-based design hospital. *Infect Control Hosp Epidemiol.* 2015; 36(10):1130-8.
<http://www.ncbi.nlm.nih.gov/pubmed/26152338>
17. Leung, L.Y., Deng-Bryant, Y., Shear, D., Tortella, F. Combined hypoxicemic and hypotensive insults altered physiological responses and neurofunction in a severity-dependent manner following penetrating ballistic-like brain injury in rats. *J Trauma Acute Care Surg.* 2015; 79(4 Suppl 2):S130-8.
<http://www.ncbi.nlm.nih.gov/pubmed/26406425>
18. Lin, J.T., Hathaway, N.J., Saunders, D.L., Lon, C., Balasubramanian, S., Kharabora, O.,

- Gosi, P., Sriwichai, S., Kartchner, L., Chuor, C.M., Satharath, P., Lanteri, C., Bailey, J.A., Juliano, J.J. Using amplicon deep sequencing to detect genetic signatures of Plasmodium vivax relapse. *J Infect Dis.* 2015; 212(6):999-1008.
<http://jid.oxfordjournals.org/content/212/6/999.long>
19. Lurchachaiwong, W., McCurdle, W., Chan, T.C., Schuster, A.L., Richards, A.L. Development of an Orientia tsutsugamushi Lc-1 murine intraperitoneal challenge model for scrub typhus: determination of murine lethal dose (MuLD50), tissue bacterial loads, and clinical outcomes. *Vector Borne Zoonotic Dis.* 2015; 15(9):539-44.
<http://online.liebertpub.com/doi/10.1089/vbz.2015.1773>
20. Martinez, L.J., Lin, L., Blaylock, J.M., Lyons, A.G., Bauer, K.M., De La Barrera, R., Simmons, M., Jarman, R.G., Currier, J.R., Friberg, H., Danko, J.R., Teneza-Mora, N.C., Putnak, J.R., Eckels, K.H., Thomas, S.J. Safety and Immunogenicity of a Dengue Virus Serotype-1 Purified-Inactivated Vaccine: Results of a Phase 1 Clinical Trial. *Am J Trop Med Hyg.* 2015; 93(3):454-60.
<http://www.ajtmh.org/content/93/3/454.long>
21. Nielsen, L.E., Clifford, R.J., Kwak, Y., Preston, L., Argyros, C., Rabinowitz, R., Waterman, P., Lesho, E. An 11,000-isolate same plate/same day comparison of the 3 most widely used platforms for analyzing multidrug-resistant clinical pathogens. *Diagn Microbiol Infect Dis.* 2015; 83(2):93-8.
[http://www.dmidjournal.com/article/S0732-8893\(15\)00205-9/fulltext](http://www.dmidjournal.com/article/S0732-8893(15)00205-9/fulltext)
22. Pal, S., Richardson, J.H., Murphy, J.R., Krairojananan, P., Kongtak, P., Jaichapor, B., Kankaew, P., Ekanayake, S., Davis, T.J., Maserang, D.L., Teng, D.H., Crisp, R.J., Wu, S.J., Coleman, R.E., McAvin, J.C., Swaby, J.A. Detection of dengue virus in mosquito extracts and human clinical samples using a field expedient molecular platform. *Mil Med.* 2015; 180(9):937-42.
<http://publications.amsus.org/doi/full/10.7205/MILMED-D-14-00428>
23. Platts-Mills, J.A., Babji, S., Bodhidatta, L., Gratz, J., Haque, R., Havit, A., McCormick, B.J., McGrath, M., Olortegui, M.P., Samie, A., Shakoor, S., Mondal, D., Lima, I.F., Hariraju, D., Rayamajhi, B.B., Qureshi, S., Kabir, F., Yori, P.P., Mufamadi, B., Amour, C., Carreon, J.D., Richard, S.A., Lang, D., Bessong, P., Mduma, E., Ahmed, T., Lima, A.A., Mason, C.J., Zaidi, A.K., Bhutta, Z.A., Kosek, M., Guerrant, R.L., Gottlieb, M., Miller, M., Kang, G., Houpt, E.R. Pathogen-specific burdens of community diarrhoea in developing countries: a multisite birth cohort study (MAL-ED). *Lancet Glob Health.* 2015; 3(9):e564-75.
[http://www.thelancet.com/journals/langlo/article/PIIS2214-109X\(15\)00151-5/fulltext](http://www.thelancet.com/journals/langlo/article/PIIS2214-109X(15)00151-5/fulltext)
24. Prasitsuebsai, W., Kerr, S.J., Truong, K.H., Ananworanich, J., Do, V.C., Nguyen, L.V., Kurniati, N., Kosalaraksa, P., Sudjaritruk, T., Chokephaibulkit, K., Thammajaruk, N., Singtoroj, T., Teeraananchai, S., Horng, H., Bacchetti, P., Gandhi, M., Sohn, A.H. Using lopinavir concentrations in hair samples to assess treatment outcomes on second-line regimens among Asian children. *AIDS Res Hum Retroviruses.* 2015; 31(10):1009-14.
<http://online.liebertpub.com/doi/10.1089/aid.2015.0111>
25. Saunders, D.L., Garges, E., Manning, J.E., Bennett, K., Schaffer, S., Kosmowski, A.J., Magill, A.J. Safety, tolerability, and compliance with long-term antimalarial chemoprophylaxis in American soldiers in Afghanistan. *Am J Trop Med Hyg.* 2015; 93(3):584-90.

<http://www.ajtmh.org/content/93/3/584.long>

26. Shah, J., Mark, O., Weltman, H., Barcelo, N., Lo, W., Wronska, D., Kakkilaya, S., Rao, A., Bhat, S.T., Sinha, R., Omar, S., O'Bare, P., Moro, M., Gilman, R.H., Harris, N. Fluorescence in situ hybridization (FISH) assays for diagnosing malaria in endemic areas. *PLoS One*. 2015; 10(9):e0136726.
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0136726>
27. Sun, H., Cunningham, F.L., Harris, J., Xu, Y., Long, L.P., Hanson-Dorr, K., Baroch, J.A., Fioranelli, P., Lutman, M.W., Li, T., Pedersen, K., Schmit, B.S., Cooley, J., Lin, X., Jarman, R.G., DeLiberto, T.J., Wan, X.F. Dynamics of virus shedding and antibody responses in influenza A virus-infected feral swine. *J Gen Virol*. 2015; 96(9):2569-78.
<http://www.ncbi.nlm.nih.gov/pubmed/26297148>
28. Thomas, S.J. NS1: A corner piece in the dengue pathogenesis puzzle? *Sci Transl Med*. 2015; 7(304):304fs37.
<http://stm.sciencemag.org/content/7/304/304fs37.full>
29. Thompson, M.G., Truong-Le, V., Alamneh, Y.A., Black, C.C., Anderl, J., Honnold, C.L., Pavlicek, R.L., Abu-Taleb, R., Wise, M.C., Hall, E.R., Wagar, E.J., Patzer, E., Zurawski, D.V. Evaluation of gallium citrate formulations against a multidrug-resistant strain of *Klebsiella pneumoniae* in a murine wound model of infection. *Antimicrob Agents Chemother*. 2015; 59(10):6484-93.
<http://aac.asm.org/content/59/10/6484.long>
30. Vejbaesya, S., Thongpradit, R., Kalayanarooj, S., Luangtrakool, K., Luangtrakool, P., Gibbons, R.V., Srinak, D., Ngammthaworn, S., Apisawes, K., Yoon, I.K., Thomas, S.J., Jarman, R.G., Srikiakthachorn, A., Green, S., Chandanayyingyong, D., Park, S., Friedman, J., Rothman, A.L., Stephens, H.A. HLA Class I supertype associations with clinical outcome of secondary dengue virus infections in ethnic Thais. *J Infect Dis*. 2015; 212(6):939-47.
<http://jid.oxfordjournals.org/content/212/6/939.long>
31. Zhgenti, E., Johnson, S.L., Davenport, K.W., Chanturia, G., Daligault, H.E., Chain, P.S., Nikolich, M.P. Genome assemblies for 11 *Yersinia pestis* strains isolated in the Caucasus region. *Genome Announc*. 2015; 3(5).
<http://genomea.asm.org/content/3/5/e01030-15.long>